

# Wieland GEWA-B

## Evaporator Tubes

### Applications

GEWA-B tubes are enhanced nucleate boiling tubes for shell-and-tube heat exchangers. They are optimised for flooded and falling film evaporators in packaged chillers, both for the air-conditioning and refrigeration industry.

### Benefits

- Increased heat transfer on the shell and tube side
- Superior overall heat transfer performance
- Substantial reduction of heat exchanger size and refrigerant charge
- Significant improvement in life cycle energy efficiency

### Product Types

Tailor-made for specific applications

- B5 & B6 | For highest performance and efficiency
- B4HSL | Weight optimized, drop-in applications
- BHV | For media with high viscosities
- BLF/ BPL | For high fouling applications

### Tube Material

Wieland Code	ISO Code	UNS Code/ ASTM-Code
K21	Cu-DHP	C12200
L10	CuNi10Fe1Mn	C70600
CS	P235GH	A179

*Other materials on request*

### Fabrication and Certification

- DIN EN 12452 / EN 10216-2
- DIN 17679 and VdTÜV 420 / 5 (for use in pressure vessels)
- ASTM B 359 / ASME SB-359 / ASTM A-498

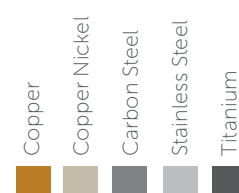
Certification for use in pressure vessels has been obtained with AD-Merkblatt W0/TRD 100. Certificates 3.1 / 3.2 according to DIN EN 10204.

### ThermalS Design Software

Wieland Thermal Solutions provides thermal design software to optimise your enhanced heat exchangers.

More information on our ThermalS online platform on: [wieland.com/optimized-heat-transfer](http://wieland.com/optimized-heat-transfer)

### Available in a wide range of materials

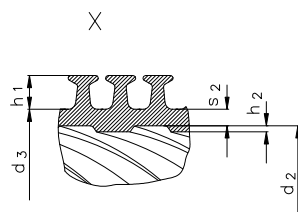
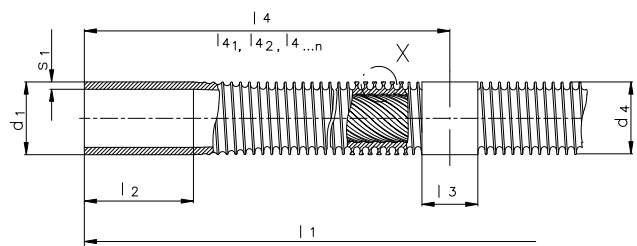


Tube	Material	Plain End		Finned Section				Weight <sup>1)</sup>
		d <sub>1</sub>	s <sub>1</sub>	d <sub>4</sub>	d <sub>3</sub>	s <sub>2</sub>	d <sub>2</sub>	G
		(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(kg/m)
GEWA-B6H 3/4" x 0.63	K21	19.00	1.13	18.85	17.96	0.63	16.70	0.495
GEWA-B6H 3/4" x 0.71	K21	19.00	1.20	18.85	17.97	0.71	16.55	0.526
GEWA-B6H 1" x 0.63	K21	25.45	1.13	25.30	24.15	0.63	22.89	0.662
GEWA-B6H 1" x 0.71	K21	25.45	1.24	25.30	24.15	0.71	22.73	0.718
GEWA-B5H 3/4" x 0.63	K21	19.00	1.16	18.85	17.75	0.63	16.49	0.490
GEWA-B5H 3/4" x 0.71	K21	19.00	1.24	18.85	17.75	0.71	16.33	0.551
GEWA-B5H 3/4" x 0.89	K21	19.00	1.45	18.85	17.75	0.89	15.97	0.630
GEWA-B5H 1" x 0.63	K21	25.45	1.20	25.30	24.20	0.63	22.94	0.710
GEWA-B5H 1" x 0.71	K21	25.45	1.27	25.30	24.20	0.71	22.78	0.760
GEWA-B5LSL 3/4" x 0.63 <sup>2)</sup>	K21	19.00	1.13	18.85	17.85	0.63	16.59	0.477
GEWA-B5LSL 1" x 0.63 <sup>2)</sup>	K21	25.45	1.13	25.25	24.25	0.63	22.99	0.662
GEWA-B5LSL 1" x 0.71 <sup>2)</sup>	K21	25.45	1.24	25.25	24.25	0.71	22.83	0.713
GEWA-B5LSL 3/4" x 0.71 <sup>2)</sup>	K21	19.00	1.24	18.85	17.85	0.71	16.43	0.531
GEWA-B4HSL 3/4" x 0.63	K21	19.00	1.12	18.85	17.85	0.63	16.59	0.478
GEWA-B4HSL 3/4" x 0.71	K21	19.00	1.20	18.85	17.85	0.71	16.43	0.522
GEWA-B4HSL 3/4" x 0.89	K21	19.00	1.45	18.85	17.75	0.89	15.97	0.630
GEWA-B4HSL 1" x 0.55	K21	25.45	1.13	25.25	24.05	0.55	22.86	0.637
GEWA-B4HSL 1" x 0.63	K21	25.45	1.13	25.25	24.25	0.63	22.99	0.679
GEWA-B4HSL 1" x 0.71	K21	25.45	1.20	25.25	24.25	0.71	22.83	0.718
GEWA-B4HSL 1" x 0.89	K21	25.45	1.45	25.25	24.05	0.89	22.27	0.874
GEWA-B4HSL 1/2" x 0.55	K21	12.70	1.05	12.55	11.55	0.55	10.45	0.303
GEWA-B4LSL 3/4" x 0.63 <sup>2)</sup>	K21	19.00	1.10	18.85	17.89	0.63	16.63	0.477
GEWA-B4LSL 3/4" x 0.71 <sup>2)</sup>	K21	19.00	1.20	18.85	17.89	0.71	16.47	0.518
GEWA-BLF 3/4" x 0.80	K21	19.00	1.45	18.85	17.45	0.80	15.85	0.637
GEWA-BLF 3/4" x 0.90	L10	19.00	1.55	18.85	17.45	0.90	15.65	0.680
GEWA-BLF 3/4" x 0.90	CS	19.00	1.55	18.85	17.45	0.90	15.65	0.596
GEWA-BLF 3/4" x 1.00	CS	19.00	1.75	18.80	17.40	1.00	15.40	0.638
GEWA-BHV 3/4" x 0.80	K21	19.00	1.45	18.85	17.55	0.80	15.95	0.642
GEWA-BHV 1" x 0.71	K21	25.45	1.20	25.25	24.35	0.71	22.93	0.742
GEWA-BPL 3/4" x 0.90	L10	19.00	1.40	18.85	17.45	0.90	15.65	0.636

1) Approximate weight for tubes without unfinned intermediate parts

2) L = version for low pressure refrigerants

Length l <sub>1</sub>	Tolerances
< 2000	+ 2 mm
2000–8000	+ 1 %



wieland

Wieland-Werke AG | Graf-Arco-Straße 36 | 89079 Ulm | Germany  
 info@wieland.com | wieland.com

This brochure is for your general information only and is not subject to revision. No claims can be derived from it unless there is evidence of intent or gross negligence. The data presented is not guaranteed and does not replace expert advice.